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Technical Note 20.

VOLUME TABLE ^{1/}
forWHITE OAK
(Quercus alba)

Stark County, Ohio

August 15, 1940.

★ SEP 4 1940

U. S. Department of Agriculture
INTERNATIONAL Rule (¹/₄" Kerf)

Merchantable Stem to a Variable Top Diameter

Diameter breast high outside bark (inches)	Volume of stem in 12.3-foot logs to merchantable height						Basis in trees
	1 log	2 logs	3 logs	4 logs	5 logs	6 logs	
	<u>Bd.ft.</u>	<u>Bd.ft.</u>	<u>Bd.ft.</u>	<u>Bd.ft.</u>	<u>Bd.ft.</u>	<u>Bd.ft.</u>	<u>Number</u>
10	19	37	54				1
11	24	47	63				8
12	30	59	86	111			8
13	37	73	106	137			9
14	45	89	129	166			1
15		104	153	198			-
16		122	177	229			-
17		141	205	265			-
18		163	236	305			8
19		185	269	348			9
20		198	302	392			6
21		233	338	437			2
22		254	374	483			1
23		279	406	530			-
24			447	577	715		-
25			484	625	770		-
26			520	678	826		-
27			560	723	880		-
28			598	768	935		-
29				819	990	1170	3
30				863	1045	1235	7
31				914	1100	1300	4
32				965	1155	1365	7
33					1216	1430	1
34					1275	1495	3
35					1330	1560	2
36					1390	1625	-
37					1450	1690	2
38					1505	1760	1

Basis in trees-- number	3	21	17	19	12	11	83
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1/ Trees climbed and measured by personnel of Work Projects Administration Official Project 65-1-42-166 - "The Ohio Woodland Survey." Measurements taken at 12-foot log lengths above a 1.0-foot stump height. Scaled as 12-foot logs, and additional shorter top logs; top sections less than 8 feet in length scaled as fractions of an 8-foot log. Table prepared, in 1940, by the equation method. Coefficient of multiple correlation (R) = .996. Standard error of estimate, 89.1 to 112.2 percent. Block shows limits of basic data.

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